

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A light-emitting diode (LED) illuminator for a headgear with a visor, said illuminator comprising:

a light-emitting diode module including a plurality of light-emitting diodes arranged as a unitary module;

a single-piece, folded frame having a first end and a second end, said plurality of light-emitting diodes being positioned adjacent to said first end for selectively emitting light therefrom, the single-piece frame having a first part and a second part, a plurality of snap-on fasteners being located on each of the first part and the second part, the snap-on fasteners on the first part respectively facing and matching the snap-on fasteners on the second part, thereby fastening the first part to the second part and forming the folded frame, the light-emitting diodes being located in a space of the folded frame between the first part and the second part; and

an electronics control part for controlling the light-emitting diodes, the electronics control part including a switch, said switch being displaced towards said second end of said frame relative to the positioning of the light-emitting diodes, wherein the second part of the frame has an opening receiving the electronics control part,

wherein the light-emitting diodes are fitted in the frame, side by side, adjacent to each other, said light-emitting diodes being directly operatively connected to the switch through the frame without the use of elongated wires, and

wherein the light-emitting diodes and the switch are arranged integrally to the frame.

2. (Previously Presented) The LED illuminator according to claim 1, wherein the light-emitting diode module is provided with ultraviolet (UV) LEDs so that at least some of the LEDs are UV LEDs.

3. (Previously Presented) The LED illuminator according to claim 1, wherein the light-emitting diode module is also provided with infrared (IR) LEDs so that at least some of the LEDs are IR LEDs.

4. (Cancelled)

5. (Previously Presented) The LED illuminator according to claim 1, wherein the illuminator is an IP class 55 and upwards water-tight encapsulated LED unit.

6. (Previously Presented) The LED illuminator according to claim 1, further comprising different and differently colored light-emitting diodes which work either together or separately.

7-10. (Cancelled)

11. (Previously Presented) The LED illuminator according to claim 1, wherein the light-emitting diode module includes a rectangular module frame outside of the frame, and the light-emitting diodes are disposed within the module frame.

12. (New) A light-emitting diode (LED) illuminator for a headgear with a visor, said illuminator comprising:

a light-emitting diode module including a plurality of light-emitting diodes arranged as a unitary module;

a single-piece connection frame having a first end and a second end, said plurality of light emitting diodes being positioned adjacent to said first end for selectively emitting light therefrom, the single-piece connection frame forming a stacked structure with the visor, the single-piece connection frame being smaller than the visor and the single-piece connection frame and the visor overlapping each other, the light-emitting diodes being located in the single-piece connection frame at the first end; and

an electronics control part for controlling the light-emitting diodes, the electronics control part including a switch, said switch being displaced towards said second end of said single-piece connection frame relative to the positioning of the light-emitting diodes,

wherein the light-emitting diodes are fitted in the single-piece connection frame, side by side, adjacent to each other, said light-emitting diodes being directly operatively connected to the switch through the single-piece connection frame without use of elongated wires, and

wherein the light-emitting diodes and the switch are arranged integrally to the single-piece connection frame.